



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.:

Activity No.: PER20070002

Agency Interest No.: 146877

Ms. Amy Petrof
Crosstex Treating Services, L.P.
2501 Cedar Springs Rd, Ste 100
Dallas, TX 75201

RE: Permit, Crown Paper #1 Treating Facility - Profit Island Field, Crosstex Treating Services LP
Baker, East Baton Rouge Parish, Louisiana

Dear Ms. Petrof:

This is to inform you that the permit modification request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this ____ day of _____, 2007.

Permit No.: 0840-00234-01

Sincerely,

For Public Notice

Chuck Carr Brown, Ph.D.
Assistant Secretary

CCB/TVN

IRONMENTAL SERVICES

BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Crown Paper #1 Treating Facility - Profit Island Field
Agency Interest No.: 146877
Crosstex Treating Services LP
Baker, East Baton Rouge Parish, Louisiana**

I. BACKGROUND

Crosstex Treating Services, L.P, Crown Paper #1 Treating Facility - Profit Island Field, an existing natural gas treating facility currently operates under Permit No. 0840-00234-00, issued 12/18/2006.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated July 13, 2007 and additional information dated September 26, 2007 were received requesting a permit modification.

III. DESCRIPTION

This permit application identifies operations from a gas treatment facility that is used to handle gas from the Crown Paper No.1 Production Facility; Profit Island Field (permitted owned and operated by separate company). High pressure sour gas from the Crown Paper No.1 Production Facility is routed to the amine contact tower presented herein. Rich amine is piped to an amine flash vessel where off gas is vented to atmosphere through a vent stack. Rich amine is then dumped to the still/reflux accumulator and reboiler to flash and heat the amine, thereby removing any impurities absorbed during the contact tower process. Still column vapors are also vented to atmosphere through the vent stack with the flash vessel stream. The sweetened gas stream from the amine contact tower is routed to a glycol contact tower (permitted owned and operated by others) for drying and is then piped to a "JT" unit. This "JT" unit is designed to drop out liquids from the process by dropping the pressure across a throttling valve. Condensed liquids are dumped from the separator to an on-site bullet vessel and then trucked off-site. Off-gas from the bullet vessel is used as fuel with relief gas captured by a compressor system (permitted owned and operated by others). Vapors from the condensate loading process are routed into the aforementioned bullet vessel. Gas from the separator is metered and routed off-site for sales. Two generators and various gas operated pumps & insignificant storage tanks are also located at the facility.

Crosstex Treating Services, L.P applied for a modification of air permit number 0840-00234-00 in accordance with LAC 33:III.Chapter 5 to incorporate the following:

- 1) The addition of EPN: 6-07-VS (vent stack), EPNs: 7-07-ICE-ES & 8-07-ICE-ES (generators), EPNs: 9-07-GOP through 11-07-GOP (gas operated pumps) and EPN: 12-07-CP (condensate purging).
- 2) The addition of EPNs: 13-07-LOT (lube oil tanks) to the facility's insignificant activities list.

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Crosstex Treating Services LP

Baker, East Baton Rouge Parish, Louisiana

- 3) The revision of emission limits for the facility's remaining emission point sources based on updated throughput rates, emission factors and/or current facility conditions.
- 4) The addition of a cap for two engines to maintain compliance with LAC 33: III. Chapter 22.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Before	After	Change
CO	2.67	56.22	+53.55
NO _x	3.17	24.52	+21.35
PM ₁₀	0.24	0.18	-0.06
SO ₂	0.02	0.02	-
VOC ¹	12.38	12.76	+0.38
Hydrogen Sulfide	8.35	3.82	-4.53

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in Tons per year
2,2,4-Trimethylpentane	0.05
Benzene	1.60
Ethylbenzene	0.06
Formaldehyde	0.09
Methanol	0.01
n-hexane	0.30
Toluene	1.17
Xylene	0.26

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply. This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, and in the XXX, on XXX, 2007, and was mailed to concerned citizens listed in the

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Baker, East Baton Rouge Parish, Louisiana**

Office of Environmental Services Public Notice Mailing List on XXX, 2007. The permit application, the proposed permit, and the Statement of Basis were submitted to the East Baton Rouge Parish Library – XXX Branch. All comments will be considered prior to a permit decision

VI. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: <None>

VII. GENERAL CONDITION XVII ACTIVITIES

Description	VOC (tons/year)
Miscellaneous Sampling Procedure	0.25
Line Preparation	0.25
Vessel Preparation	0.20
Filter Replacement	0.05
Instrumentation Mechanical Work	0.10

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
13-07-LOT	2-Lube Oil Tanks, 500 gallons each	LAC 33: III.501.B5.A3

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated July 13, 2007 and addition information dated September 26, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved-phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 146877 Crown Paper #1 Treating Facility - Profit Island Field
 Activity Number: PER20070002
 Permit Number: 0840-00234-01
 Air - Minor Source/Small Source Mod

Also Known As:	ID	Name	User Group	Start Date
	0840-00234	Crown Paper #1 Treating Facility - Profit Island Field	CDS Number	11-15-2006
		Crosstex Treating Services LP	Multimedia	11-15-2006

Physical Location: 6 MI E of Baker, LA 70000 Main FAX: 2147219213 Main Phone: 2149539500

Mailing Address: 2501 Cedar Springs Rd Ste 100 Dallas, TX 75201

Location of Front Gate: 30° 35' 14" 9 hundredths latitude, 91° 16' 6" 2 hundredths longitude, Coordinate Method: GPS-Unspecified, Coordinate Datum: NAD83

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Sean Atkins	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	2149539500 (WP)	Air Permit Contact For
	Sean Atkins	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	2147219213 (WF)	Air Permit Contact For
	Amy Petrof	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	amy.petrof@crosstex	Emission Inventory Contact for
	Amy Petrof	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	2147219282 (WP)	Emission Inventory Contact for
	Amy Petrof	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	2147219213 (WF)	Emission Inventory Contact for
	Jim Reynolds	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	2147219213 (WF)	Responsible Official for
	Jim Reynolds	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	jim.reynolds@crosstex	Responsible Official for
	Jim Reynolds	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201	2149539500 (WP)	Responsible Official for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Crosstex Treating Services LP	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201		Air Billing Party for
	Crosstex Treating Services LP	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201		Operates
	Crosstex Treating Services LP	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201		Owns
	Crosstex Treating Services LP	2501 Cedar Springs Rd Ste 100 Dallas, TX 75201		Emission Inventory Billing Party

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field

Activity Number: PER20070002

Permit Number: 0840-00234-01

Air - Minor Source/Small Source Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Crown Paper No. 1 Treating Facility						
EQT0001	1-06-AR-BS - Amine Regenerator - Burner Stack		2 MM BTU/hr	2 MM BTU/hr		8760 hr/yr (All Year)
EQT0002	2-06-AR-SC - Amine Regenerator - Still Column		2555 MM scf/yr			8760 hr/yr (All Year)
EQT0003	3-06-AFV-RV - Amine Flash Vessel - Relief Vent		3.3 MM scf/yr	3.3 MM scf/yr		8760 hr/yr (All Year)
EQT0004	4-06-PC - Pneumatic Controllers					8760 hr/yr (All Year)
EQT0005	6-07-VS - Vent Stack		84.5 MM scf/yr	84.5 MM scf/yr		8760 hr/yr (All Year)
EQT0006	7-07-ICE-ES - Internal Combustion Engine		188 horsepower			(None Specified)
EQT0007	8-07-ICE-ES - Internal Combustion Engine		188 horsepower			(None Specified)
EQT0008	9-07-GOP - Gas Operated Pump		.44 MM scf/yr			200 hr/yr (All Year)
EQT0009	10-07-GOP - Gas Operated Pump		.22 MM scf/yr			100 hr/yr (All Year)
EQT0010	11-07-GOP - Gas Operated Pump		.22 MM scf/yr			100 hr/yr (All Year)
EQT0011	12-07-CP - Condensate Purging					65 hr/yr (All Year)
FUG0001	5-06-FE - Fugitive Emissions					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Crown Paper No. 1 Treating Facility							
EQT0001	1-06-AR-BS - Amine Regenerator - Burner Stack	12	880	1.25		30	500
EQT0002	2-06-AR-SC - Amine Regenerator - Still Column						
EQT0003	3-06-AFV-RV - Amine Flash Vessel - Relief Vent						
EQT0004	4-06-PC - Pneumatic Controllers						70
EQT0005	6-07-VS - Vent Stack	38	161	.3		20	70
EQT0006	7-07-ICE-ES - Internal Combustion Engine	204	866	.3		15	1196
EQT0007	8-07-ICE-ES - Internal Combustion Engine	204	866	.3		15	1196
EQT0008	9-07-GOP - Gas Operated Pump	849	36	.03		2	70
EQT0009	10-07-GOP - Gas Operated Pump	849	36	.03		2	70
EQT0010	11-07-GOP - Gas Operated Pump	849	36	.03		2	70
EQT0011	12-07-CP - Condensate Purging	1	2	.2		2	70
FUG0001	5-06-FE - Fugitive Emissions						70
GRP0002	CAP 1 - Internal Combustion Engines	204	866	.3		15	1196

Relationships:

ID	Description	Relationship	ID	Description
EQT0002	2-06-AR-SC - Amine Regenerator - Still Column	Vents to	EQT0005	6-07-VS - Vent Stack
EQT0003	3-06-AFV-RV - Amine Flash Vessel - Relief Vent	Vents to	EQT0005	6-07-VS - Vent Stack

INVENTORIES

AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field

Activity Number: PER20070002

Permit Number: 0840-00234-01

Air - Minor Source/Small Source Mod

Subject Item Groups:

ID	Group Type	Group Description
GRP0002	Equipment Group	CAP 1 - Internal Combustion Engines
UNF0001	Unit or Facility Wide	Facility - Crown Paper No.1 Treating Facility

Group Membership:

ID	Description	Member of Groups
EQT0006	7-07-ICE-ES - internal Combustion Engine	GRP000000000002
EQT0007	8-07-ICE-ES - Internal Combustion Engine	GRP000000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0040	Crude Oil and Natural Gas Production (Less than 100 T/Yr Source)	1	

SIC Codes:

1311	Crude petroleum and natural gas	UNF001
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field

Activity Number: PER20070002

Permit Number: 0840-00234-01

Air - Minor Source/Small Source Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Crown Paper No. 1 Treating Facility															
EQT 0001 1-06-AR-ES	0.20	0.20	0.88	0.24	0.24	1.04	0.02	0.02	0.08	<0.01	<0.01	0.01	0.01	0.01	0.06
EQT 0004 4-06-PC													0.66	0.66	2.88
EQT 0005 8-07-VS													1.20	1.20	5.25
EQT 0006 7-07-CE-ES		13.84			8.29			0.02			<0.01			0.14	
EQT 0007 8-07-CE-ES		13.84			8.29			0.02			<0.01			0.14	
EQT 0008 9-07-GOP													11.24	11.24	1.12
EQT 0009 10-07-GOP													11.24	11.24	0.56
EQT 0010 11-07-GOP													11.24	11.24	0.56
EQT 0011 12-07-CF													16.36	16.36	0.53
FUG 0001 5-06-FE													0.29	0.29	1.25
GRP 0002 CAP1	12.63		55.34	5.36		23.48	0.02		0.10	<0.01		0.01	0.13		0.55

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field****Activity Number: PER20070002****Permit Number: 0840-00234-01****Air - Minor Source/Small Source Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 1-06-AR-BS	n-Hexane	< 0.01	< 0.01	0.02
EQT 0004 4-06-PC	2,2,4-Trimethylpentane	0.01	0.01	0.02
	Benzene	< 0.01	< 0.01	0.02
	Toluene	< 0.01	< 0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.02	0.02	0.09
EQT 0005 6-07-VS	Benzene	0.34	0.34	1.49
	Ethyl benzene	0.01	0.01	0.06
	Hydrogen sulfide	0.87	0.87	3.82
	Toluene	0.25	0.25	1.11
	Xylene (mixed isomers)	0.05	0.05	0.22
	n-Hexane	0.02	0.02	0.10
EQT 0006 7-07-ICE-ES	Benzene		0.01	
	Formaldehyde		0.02	
	Methanol		< 0.01	
	Toluene		< 0.01	
EQT 0007 8-07-ICE-ES	Benzene		0.01	
	Formaldehyde		0.02	
	Methanol		< 0.01	
	Toluene		< 0.01	
EQT 0008 9-07-GOP	2,2,4-Trimethylpentane	0.09	0.09	0.01
	Benzene	0.07	0.07	0.01
	Toluene	0.08	0.08	0.01
	Xylene (mixed isomers)	0.02	0.02	< 0.01
	n-Hexane	0.37	0.37	0.04
EQT 0009 10-07-GOP	2,2,4-Trimethylpentane	0.09	0.09	< 0.01
	Benzene	0.07	0.07	< 0.01
	Toluene	0.08	0.08	< 0.01
	Xylene (mixed isomers)	0.02	0.02	< 0.01
	n-Hexane	0.37	0.37	0.02
EQT 0010 11-07-GOP	2,2,4-Trimethylpentane	0.09	0.09	< 0.01
	Benzene	0.07	0.07	< 0.01
	Toluene	0.08	0.08	< 0.01
	Xylene (mixed isomers)	0.02	0.02	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field

Activity Number: PER20070002

Permit Number: 0840-00234-01

Air - Minor Source/Small Source Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0010 11-07-GOP	n-Hexane	0.37	0.37	0.02
FUG 0001 5-06-FE	Benzene	< 0.01	< 0.01	0.01
	n-Hexane	< 0.01	< 0.01	0.01
GRP 0002 CAP 1	Benzene	0.01		0.05
	Formaldehyde	0.02		0.09
	Methanol	< 0.01		0.01
	Toluene	< 0.01		0.01
UNF 0001 Facility	2,2,4-Trimethylpentane			0.05
	Benzene			1.60
	Ethyl benzene			0.06
	Formaldehyde			0.09
	Hydrogen sulfide			3.82
	Methanol			0.01
	Toluene			1.17
	Xylene (mixed isomers)			0.26
	n-Hexane			0.30

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

SPECIFIC REQUIREMENTS

AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field

Activity Number: PER20070002

Permit Number: 0840-00234-01

Air - Minor Source/Small Source Mod

EQT0001 1-06-AR-BS - Amine Regenerator - Burner Stack

- 1 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 2 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 3 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

EQT0002 2-06-AR-SC - Amine Regenerator - Still Column

- 4 [40 CFR 60.647(c)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of an analysis demonstrating that the design capacity is less than 2 L/T/D of H₂S expressed as sulfur for the life of the facility. Subpart LLL. [40 CFR 60.647(c)]
- 5 [40 CFR 60.647(c)] Shall keep, for the life of the facility, an analysis demonstrating that the facility's design capacity is less than 2 long tons per day of hydrogen sulfide expressed as sulfur. [40 CFR 60.647(c)]

GRP0002 Internal Combustion Engines

Group Members: EQT0006 EQT0007

- 6 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
- 7 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 8 [LAC 33:III.501.C.6] Operating time <= 10000 hr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
- 9 [LAC 33:III.501.C.6] Operating time monitored by technically sound method continuously.
Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
- 10 [LAC 33:III.501.C.6] Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.
- 11 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Report the operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

SPECIFIC REQUIREMENTS

AI ID: 146877 - Crown Paper #1 Treating Facility - Profit Island Field

Activity Number: PER20070002

Permit Number: 0840-00234-01

Air - Minor Source/Small Source Mod

UNF0001 Crown Paper No. 1 Treating Facility

- 12 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 13 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 14 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 15 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 16 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 17 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 18 [LAC 33:III.501.C.6] Nitrogen dioxide ≤ 24.52 tons/yr.
- 19 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Annual maximum Particulate matter (10 microns or less) ≤ 0.18 tons/yr.
- 20 [LAC 33:III.517.B.1] Which Months: All Year Statistical Basis: Annual total Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete.
- 21 [LAC 33:III.517.C] Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit.
- 22 [LAC 33:III.523.A] Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate.
- 23 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 24 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 25 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

Worksheet for Technical Review of Working Draft of Proposed Permit

Company Name:	Crosstex Treating Services, L.P.	AI #:	146877	TEMPO Activity No:	PER20070002
Facility Name:	Crown Paper No. 1 Treating Facility	Remarks Submitted by:	October 20, 2007		
Permit Writer:	Tuongvan Nguyen	Permit Writer Email address:	Tuongvan.Nguyen@LA.GOV		

Instructions

Permit Reference – Indicate specific portion(s) of the permit to which the remark relates (i.e. “Specific Condition 120”, or “Section II Air Permits Briefing Sheet”, etc.).

Remarks – Explain the basis for each remark. Provide regulatory citations where possible. If the remark is made due to an error or omission in the permit application this must be noted and the revised information *must be submitted*. Revised information may be submitted separately from this worksheet. Please be aware that revised information must be submitted in writing and certified by the Responsible Official, and if necessary, by a Professional Engineer licensed in Louisiana. *Please Note:* New or additional equipment, processes or operating conditions not addressed in the original permit application will be addressed on a case-by-case basis. The Department reserves the right to address such changes in a separate permit action.

DEQ Response – ***DO NOT COMPLETE THIS SECTION.*** This section will be completed by Air Permits Division of DEQ, included in the proposed permit package and made available for public review during any required public comment period.

- Additional rows may be added as necessary.
- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.

Permit Reference	Remarks	Air Permits Division Response (for official use only)
General Information	Updates are needed for Contact Telephone numbers and related people details- Crosstex emailed Mr. Ferrand of LDEQ to correct on 10/18/07.	
Specific Conditions 6-15	The Crosstex facility is not a natural gas processing plant and therefore is not subject to 40 CFR 60 Subpart KKK regulations. Please remove this condition from the requirements of the permit.	
Specific Condition 23	The Crosstex facility equipment is not subject to 40 CFR 63 Subpart HH as it is not a major source nor does it have TEG dehydration equipment. Please remove this condition from the requirements of the permit.	
Briefing Sheet (MS Word Document attached)	Please incorporate the minor typographical updates as listed in the attached document. Section V- Please list that public comment is not necessary for minor permits. Section VII- Please eliminate the proposed general condition activities outlined in this section.	Public Notice Req b/c of NOx limits in chapter 22

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Crown Paper #1 Treating Facility - Profit Island Field
Agency Interest No.: 146877
Crosstex Treating Services LP
Baker, East Baton Rouge Parish, Louisiana**

I. BACKGROUND

Crosstex Treating Services, L.P, Crown Paper #1 Treating Facility - Profit Island Field, an existing natural gas treating facility currently operates under Permit No. 0840-00234-00, issued 12/18/2006.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated July 13, 2007 and additional information dated September 26, 2007 were received requesting a permit modification.

III. DESCRIPTION

This permit application identifies operations from a gas treatment facility that is used to handle gas from the Crown Paper No.1 Production Facility; Profit Island Field (permitted separately owned and operated by separate company). High pressure sour gas from the Crown Paper No.1 Production Facility is routed to the amine contact tower presented herein. Rich amine is piped to an amine flash vessel where off gas is vented to atmosphere through a vent stack. Rich amine is then dumped to the still/reflux accumulator and reboiler to flash and heat the amine, thereby removing any impurities absorbed during the contact tower process. Still column vapors are also vented to atmosphere through the vent stack with the flash vessel stream. The sweetened gas stream from the amine contact tower is routed to a glycol contact tower (permitted separately-owned and operated by others) for drying and is then piped to a "JT" unit. This "JT" unit is designed to drop out liquids from the process by dropping the pressure across a throttling valve. Condensed liquids are dumped from the separator to an on-site bullet vessel and then trucked off-site. Off-gas from the bullet vessel is used as fuel with relief gas captured by a compressor system (permitted separately-owned and operated by others). Vapors from the condensate loading process are routed into the aforementioned bullet vessel. Gas from the "JT" separator is metered and routed off-site for sales. Two generators and various gas operated pumps & insignificant storage tanks are also located at the facility.

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Crosstex Treating Services, L.P applied for a modification of air permit number 0840-00234-00 in accordance with LAC 33:III.Chapter 5 to incorporate the following:

- 1) The addition of EPN: 6-07-VS (vent stack), EPNs: 7-07-ICE-ES & 8-07-ICE-ES (generators), EPNs: 9-07-GOP through 11-07-GOP (gas operated pumps) and EPN: 12-07-CP (condensate purging).
- 2) The addition of EPNs: 13-07-LOT (lube oil tanks) to the facility's insignificant activities list.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Crown Paper #1 Treating Facility - Profit Island Field
Agency Interest No.: 146877
Crosstex Treating Services LP
Baker, East Baton Rouge Parish, Louisiana

- 3) The revision of emission limits for the facility's remaining emission point sources based on updated throughput rates, emission factors and/or current facility conditions.

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Emissions (tons per year)
PM ₁₀	0.18
SO ₂	0.02
NO _x	24.52
CO	56.22
VOC ¹	11.16

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in Tons per year
Benzene	1.44
n-hexane	0.28
Toluene	0.43
2,2,4-Trimethylpentane	0.05
Xylene	0.12

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply. This facility is a minor source of LAC 33:III. Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

Deleted: A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, and in the XXX, on XXX, 2007, and was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXX, 2007. The permit application, the proposed permit, and the Statement of Basis were submitted to the East Baton Rouge Parish Library – XXX Branch. All comments will be considered prior to a permit decision.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Crown Paper #1 Treating Facility - Profit Island Field
Agency Interest No.: 146877
Crosstex Treating Services LP
Baker, East Baton Rouge Parish, Louisiana

Public notice is not required to permit a minor source.

VI. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: <None>

VII. GENERAL CONDITION XVII ACTIVITIES

ID	Description	Emissions (tons/year)		
		VOC	PM ₁₀	Others
GC17-1	Miscellaneous Sampling Procedures	0.25		
GC17-2	Line Preparation	0.25		
GC17-3	Vessel Preparation	0.20		
GC17-4	Filter Replacement	0.05		
GC17-5	Instrumentation Mechanical Work	0.10		

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VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
13-07-LOT	2-Lube Oil Tanks, 500 gallons each	LAC 33: III.501.B5.A3